

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-37  
Relating to Certification of New Motor Vehicles

MITSUBISHI MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1983 model-year Mitsubishi Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
DMT1.4V2BCA2	86.0 (1.4)	Air Injection - Valve Exhaust Gas Recirculation Oxidation Catalysts (Combustion Chamber Valve)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.47	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.20	2.7	0.6

BE IT FURTHER RESOLVED: That the listed vehicle models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executive Order A-86-32, dated August 4, 1982, is hereby cancelled and superseded.

Executed at El Monte, California this 10<sup>th</sup> day of August, 1982.



K. D. Drachand, Chief  
Mobile Source Control Division

17.16.03.00 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Mitsubishi Motors Corp.

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Engine Family DMT1.4V2BCA2

Evaporative Family DMT1.4C

Engine CID(liter) 86.0(1.4)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
EEC-Electronic Engine Control  
EI-Electronic Ignition  
ESAC-Electronic Spark Advance  
Control  
VA-Vacuum Advance  
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection Pump  
CL-Closed Loop  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification  
OC-Oxidation Catalyst  
AIV-Air Injection Valve  
(Pulse Air Injection)  
TR-Thermal Reactor  
TWC-Three Way Catalyst

Special Features

CCV-Combustion  
Chamber Valve  
CFI-Central Fuel  
Injection  
DID-Diesel  
Injection-  
Direct  
DIP-Diesel  
Injection-  
Prechamber  
MFI-Mechanical  
Fuel Injection  
TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

Vehicle Models

1L-24, 1M-24 }  
1L-44 }  
4L-24, 4M-24 }  
4L-44 }

Carline

Plymouth Colt  
  
Dodge Colt

DRIVE SYSTEM: front engine, front drive

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Date   /  /   EPA Rep.           

Issue Date:	MAY 26 1982				
Revision Date:					

17.16.03.00 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium-Duty Vehicles ☒ Gas ☐ Diesel

Manufacturer Mitsubishi Motors Corp.

E.O.# A-86-37

Engine Family DMT1.4V2BCA2

CID(liter)-Type 86.0(1.4)-L4

ECS (Special Features) AIV,CCV,EGR,OC-OC

+ 10% (A/C) Yes     

No X

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Distributor Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Identi- fication
1.4C-ML A1.4C-ML	1L-24 4L-24	M-4	2,125	T4T62176	28-32 DID TA-270	K5T50996	VECI: MD065040  Vac. Hose: MD065200
	1M-24 4M-24	M-4 x 2					
	1L-44 4L-44		2,250				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and test weight.

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Issue Date:	NOV 20 1982	Date	____/____/____	EPA Rep.	____
Revision Date:					

# Coastdown Road Load Horsepower

(Applicable to 1.4C, 1.6C, 2.6C and 2.6EC engine family vehicles)

Applicable Vehicles (Engine Family)	Trans.	Equivalent Test Weight (lbs.)	Applicable Tire Size	Coastdown Time (Sec.)	Coastdown Horse Power [86.129-80 (c) (3)]
2-door & 4-door hatchback models (1.4C)	M-4	2,125	155SR13*	12.81	7.1
	M-4x2				
		2,250		13.49	
		2,375		14.08	7.2
2-door & 4-door hatchback models (1.6C)	M-4x2	2,250	155SR13* P175/70R13	13.49	7.1
		2,375		14.08	7.2
	A-3	2,250		13.49	7.1
		2,375		14.08	7.2
		2,500		14.69	
2-door hardtop models (2.6C)	M-5 A-3	3,125	P195/70R14* P215/60R15	14.87	9.6
		3,000		15.24	8.7
2-door hatchback models (2.6EC)	M-5	3,250	P195/70R14* P215/60R15 215/60VR15	15.30	8.8
		3,125		15.63	8.0

\* Tire for coastdown test vehicles

Issue Date:	JAN 8 1992				
Revision Date:	FEB 20 1992				

# Coastdown Road Load Horsepower

(Applicable to 1.8C engine family vehicles)

Applicable Vehicles (Engine Family)	Trans.	Equivalent Test weight (lbs.)	Applicable Tire Size	Coastdown Time (Sec.)		Coastdown Horse power [86, 129-80 (c) (3)]	
				With Air Con.	Without Air Con.	With Air Con.	Without Air Con.
4-door sedan models (1.8C)	M-4 x 2 A-3	2,625	P165/80R13* P185/70R14	13.49	14.35	8.7	7.9
2-door hatchback models (1.8C)	M-5	2,500	P165/80R13*	15.13	15.95	6.8	6.6
	M-4 x 2 A-3	2,625	P185/70R13* P165/80R13	14.78	15.71	7.3	6.6

\* Tire for coastdown test vehicles

N/A: Not applicable

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Issue Date:	DEC 1 1981					
Revision Date:	FEB 26 1982					

08.13.02.00      Test Horsepower  
(Applicable to 1.8C & 2.6EC engine families)

Applicable Vehicles (Engine Family)	Trans.	Tire Size	Tire Type	Frontal Area (ft <sup>2</sup> )		Frontal Area Horsepower [86.129-80(c) (2)]
				Vehicle Ref. Frontal Area	Total Protuberance Frontal Area	
4-door sedan models (1.8C)	M-4 x 2	P165/80R13	Radial	19.2	0.49	10.0
	A-3	P185/70R13				
2-door hatchback models (1.8C)	M-5	P165/80R13	Radial	18.2	0.27	9.1
	M-4 x 2	P165/80R13				
	A-3	P185/70R13				
2-door hatchback models (2.6EC)	M-5	P195/70R14 P215/60R15 215/60VR15	Radial	18.1	0.47	9.4

Note: Test horsepower values do not include the 10% air conditioning load factor.

Issue Date: _____	NO. _____
Revision Date: _____	FEB 26 1977

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